27" RADIANCE® ULTRA

TECHNICAL SPECIFICATIONS

IMAGE PERFORMANCE	
Display Panel Type	AM TFT with IPS, Ultra-Bright LED Backlight
Image Size (W x H)	23.5 x 13.2 inches (598 x 336 mm)
Viewing Area (Diagonal)	27.0 inches (685 mm)
Resolution (H x V)	1920 x 1080 (Full HD), 16:9 Aspect Ratio
Pixel Pitch	0.311 mm
Luminance	900 cd/m² (Typical) @ 6500°K
Color Calibration	Proprietary Medi-Match™ Color Calibration
PACS Gamma Setting	For Radiology Image Viewing (Reference Only)
Backlight Stabilization	Intelli-guard™, User Enabled Option
Contrast Ratio	1000:1 (Typical)
Number of Colors	1.07 Billion
Color Gamut	BT.709 or SMPTE-C
Viewing Angle	178° (Horizontal & Vertical)
Response Time	14 ms (Typical)
Display Latency	Less than 1 Frame (up to 16 ms)

GENERAL	
Input Power Requirement	24 Volts DC
DC Power Consumption	70 Watts (Max)
Sealed Front Panel Material	Corning® Gorilla® Glass (Double AR Coated)
Control Button Interface	Capacitive Type, Hand Proximity Sensing
I/O Cable Cover	Built-In I/O Cover with Cable Management
Dimensions (W x H x D)	26.7 x 17.5 x 3.3 inches (678 x 445 x 84 mm)
Weight	19.5 lbs (8.9 kg)
Temperature	Operating: 0 to +40°C (+32 to +104°F) Storage: -20 to +50°C (-4 to +122°F)
Humidity	Operating: 20 – 85% RH Storage: 5 – 85% RH
Mounting	100 mm VESA

SUPPLIED / OPTIONAL ACCESSORIES

Supplied: Power Supply, AC Cord, Video Cables: DVI-D, BNC, DVI to VGA Adapter, 15-pin to 5-BNC Adapter Cable, Documentation CD, Printed User Manual

Optional: 30 ft. Power Extension Cable kit (90I0018)

15-pin to 5-BNC Adapter Cable

DVI to VGA Adapter

STANDARD PART NUMBERS

90R0100	27" Radiance Ultra, w/o Fiber, Option 1
90R0101	27" Radiance Ultra, w/ single Fiber, Option 1
90R0102	27" Radiance Ultra, w/o Fiber, Option 2
90R0103	27" Radiance Ultra, w/ single Fiber, Option 2
90R0104	27" Radiance Ultra, w/o Fiber
90R0105	27" Radiance Ultra, w/ single Fiber

COMPLIANCE & CERTIFICATIONS

ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, CAN ICES-3(B)/NMB-3(B), FCC Class B, EN60601-1, EN60601-1-2, CE, MDD 93/42/EEC, RoHS, WEEE, Class I Medical Device, CCC (Pending), IPX6 (Pending)

- **Improves Visualization in High Ambient Light Environments and Enhances Visibility of Recessed Anatomy**
- **Clinician Confidence in Image Consistency From Room-to-Room, Year-Over-Year**
- **Quick and Effective Disinfection Enables Faster OR Turnaround**
- **Excellent Scratch and Impact Resistance**

- The Brightest LED Backlight in the Industry*
- Proprietary Medi-Match™ Color Calibration
- Edge-to-Edge Corning® Gorilla® Glass Front Panel
- Intelli-guard™ Stabilization & PACS Gamma Setting
- Flexible Platform, Customizable Input Configuration
- Installs on Booms and Carts Designed for 26" Models
- Fully Customizable for OEMs (Software & Branding)
- Integrated Rear Cover For Easy Cable Management
- Embedded ZeroWire® Receiver (Future Option)**

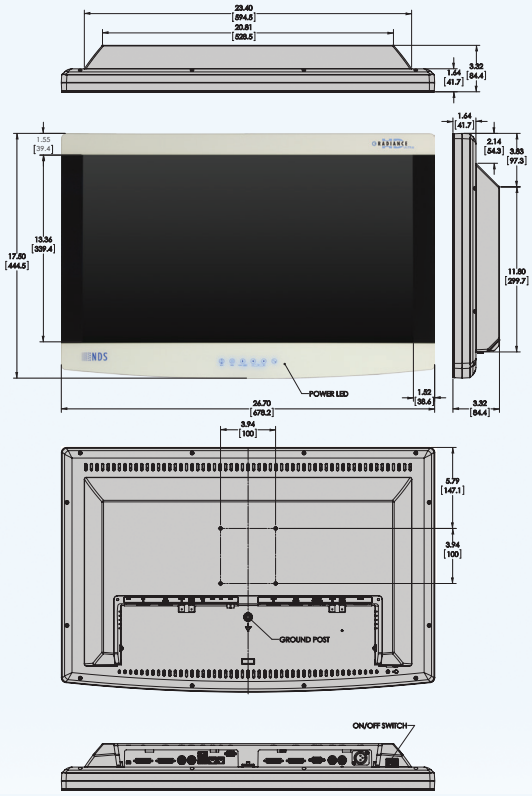
**The highest output luminance at the industry standard color temperature of 6500°K.*

*** The embedded ZeroWire® receiver will be a future option and is not currently available for sale.*

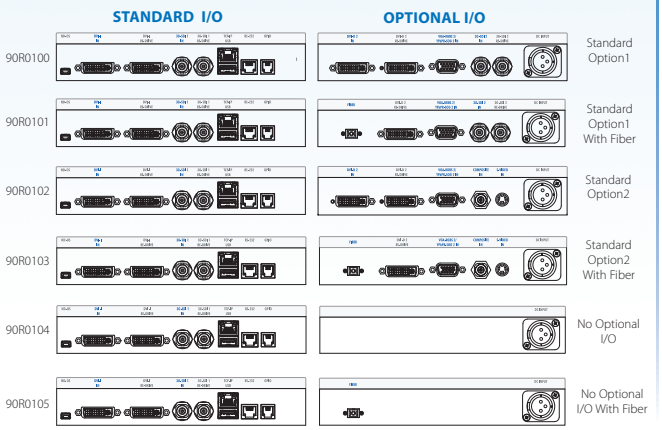
Our focus is ***medical***

REAR CABLE COVER

MECHANICAL DRAWING



INPUT/OUTPUT CONNECTOR PANELS



TECHNICAL SPECIFICATIONS (CONTINUED)

VIDEO INPUTS/OUTPUTS (STANDARD)	CONNECTIVITY
Fiber Optic Input (Optional)	SC x 1 (Replaces DVI-2 Connector)
DVI-I 1 Input (Analog and Digital)	DVI-I
DVI-D 1 Input	DVI-D
VGA 1 Input	15-pin via DVI-I Adapter
RGBS/YPbPr 1 Input	4-Wire or 3-Wire BNC via DVI-I Adapter
SOG 1 Input	BNC x 1 (Green line) via DVI-I Adapter
DVI-I 1 Output (Loop Through)	DVI-I
DVI-D 1 Output (Can be set to clone screen)	DVI-D
VGA 1 Output	15-pin via DVI-I Adapter
RGBS/YPbPr 1 Output	4-Wire or 3-Wire BNC via DVI-I Adapter
SOG 1 Output	BNC x 1 (Green line) via DVI-I Adapter
3G-SDI 1 Input (Supports HD-SDI & SD-SDI)	BNC x 1
3G-SDI 1 Output (Loop Through)	BNC x 1

POWER/CONTROL INPUTS (STANDARD)	CONNECTIVITY
DC POWER (24 VDC)	3-pin XLR (male)
RS-232	5-pin Modular
TCP/IP	RJ-45
GPIO	4-pin Modular
ND-OS	Mini-USB

VIDEO INPUTS/OUTPUTS (OPTION 1)	CONNECTIVITY
DVI-D 2 Input (Digital)	DVI-D (SC x 1 if Fiber Option is Used)
DVI-D 2 Output (Loop Through)	DVI-D
3G-SDI 2 Input (Supports HD-SDI & SD-SDI)	BNC x 1
3G-SDI 2 Output (Loop Through)	BNC x 1
Analog Component 2 Input	15-pin
VGA 2 Input	15-pin
RGBS/YPbPr 2 Input	4-Wire or 3-Wire BNC via 15-pin Adapter
SOG 2 Input	BNC x 1 (Green line) via 15-pin Adapter

VIDEO INPUTS/OUTPUTS (OPTION 2)	CONNECTIVITY
DVI-D 2 Input (Digital)	DVI-D (SC x 1 if Fiber Option is Used)
DVI-D 2 Output (Loop Through)	DVI-D
Analog Component 2 Input	15-pin
VGA 2 Input	15-pin
RGBS/YPbPr 2 Input	4-Wire or 3-Wire BNC via 15-pin Adapter
SOG 2 Input	BNC x 1 (Green line) via 15-pin Adapter
S-Video Input	4-pin Din
Composite Video Input	BNC x 1

USER CONTROLS - ON SCREEN MENU

Quick Input Select, Primary / Secondary Input Select, MMI Window Size/Position, Medi-Match™ Setting, Brightness, Contrast, Intelli-guard™ Enable/Disable, Hue, Saturation, Color Temp., Gamma, "PACS" Gamma Setting, Sharpness, RGB Gain, Horizontal & Vertical Position, Phase, Frequency, DPMS, Auto-Source Select, Scaling, Overscan, Flip/Rotate, Menu Lock, Screen Clone Enable/Disable.

NDS SURGICAL · IMAGING
ISO 9001:2008 and ISO 13485:2003;
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Doc# 72D0039 rev C